

WHAT IS CLAIMED IS:

1. An optical device comprising:
an optical member;
driving means for driving said optical member;
5 storage means for storing preset information about driving of said optical member;
an information write device for writing the preset information in said storage means from outside of said optical device; and
10 control means for performing driving control of said driving means, wherein said control means performs preset driving control of said driving means on the basis of the preset information stored in said storage means.
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2. A device according to claim 1, wherein
said information write device generates preset information of an arbitrary form, and
said optical device further comprises information
20 conversion means for converting the preset information of the arbitrary form from said information write device into preset information of a form processible by said control means, said information conversion means storing the converted preset information of the
25 processible form in said storage means.

3. A device according to claim 1, wherein

said information write device generates, as preset information of an arbitrary form, relative position information representing a driving amount from a predetermined position in a movable range of said optical member, and

said optical device further comprises information conversion means for converting the relative position information from said information write device into preset information representing an actual driving position of said optical member, said information conversion means storing the converted preset information representing the actual driving position in said storage means.

4. A device according to claim 1, wherein said information write device generates focal length information as preset information of an arbitrary form, and

said optical device further comprises information conversion means for converting the focal length information from said information write device into preset information representing an actual driving position of said optical member, said information conversion means storing the converted preset information representing the actual driving position in said storage means.

5. A device according to claim 1, wherein
said information write device generates, as preset
information of an arbitrary form, driving time
information representing a driving time taken from one
5 end to the other end in a movable range of said optical
member, and

said optical device further comprises information
conversion means for converting the driving time
information from said information write device into
10 preset information representing an actual driving speed
of said optical member, said information conversion
means storing the converted preset information
representing the actual driving speed in said storage
means.

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6. A device according to claim 1, wherein
said information write device generates, as preset
information of an arbitrary form, range driving time
information representing a driving time in a driving
20 range of the preset driving control, and

said optical device further comprises information
conversion means for converting the range driving time
information from said information write device into
preset information representing a driving speed of said
25 optical member, said information conversion means
storing the converted preset information representing
the driving speed in said storage means.

7. A device according to claim 1, wherein said information write device generates preset information of a form processible in the preset driving control, and stores the generated preset information in said storage means.

8. A device according to claim 1, wherein said optical member includes a zoom lens optical system.

9. A device according to claim 1, wherein said information write device includes a computer.

10. An optical device comprising:
an optical member;
driving means for driving said optical member;
storage means for storing preset information about driving of said optical member;
storage operation setting means operated to store device-side preset information in said storage means;
an information write device for writing external preset information in said storage means from outside of said optical device;
selection means for selecting either of the device-side preset information and the external preset information that are stored in said storage means; and
control means for performing driving control of said driving means, wherein said control means selects

either of the device-side preset information and the external preset information that are stored in said storage means in accordance with a selection result of said selection means, and performs preset driving control of said driving means on the basis of the selected preset information.

11. An optical device driving unit mounted on or connected to an optical device main body having an optical member, comprising:

- an optical member;
- driving means for driving said optical member;
- storage means for storing preset information about driving of said optical member;

15 an information write device for writing the preset information in said storage means from outside of said optical device; and

- control means for performing driving control of said driving means, wherein said control means performs preset driving control of said driving means on the basis of the preset information stored in said storage means.

12. An optical device driving unit mounted on or connected to an optical device main body having an optical member, comprising:

- an optical member;

driving means for driving said optical member;

storage means for storing preset information about
driving of said optical member;

storage operation setting means operated to store
5 device-side preset information in said storage means;

an information write device for writing external
preset information in said storage means from outside
of said optical device;

selection means for selecting either of the
10 device-side preset information and the external preset
information that are stored in said storage means; and

control means for performing driving control of
said driving means, wherein said control means selects
either of the device-side preset information and the
15 external preset information that are stored in said
storage means in accordance with a selection result of
said selection means, and performs preset driving
control of said driving means on the basis of the
selected preset information.

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13. An information write device connected to an
optical device including:

an optical member;

driving means for driving said optical member;

25 storage means for storing preset information about
driving of said optical member; and

control means for performing driving control of

said driving means, said control means performing
preset driving control of said driving means on the
basis of the preset information stored in said storage
means, comprising:

- 5 connection means for connecting said information
write device to said optical device;
- driving command operation means operated to
designate driving of said optical member, said driving
command operation means generating driving information;
- 10 and
- storage command operation means operated to store
the driving information from said driving command
operation means as preset information in said storage
means.

- 15 14. A preset information setting system having an
optical device and an information write device
connected to the optical device, comprising:

- an optical member;
- 20 driving means for driving said optical member;
- storage means for storing preset information about
driving of said optical member;
- control means for performing driving control of
said driving means, said control means performing
- 25 preset driving control of said driving means on the
basis of the preset information stored in said storage
means;

connection means for connecting the information
write device to the optical device;

driving command operation means operated to
designate driving of said optical member, said driving
5 command operation means generating driving information;
and

storage command operation means operated to store
the driving information from said driving command
operation means as preset information in said storage
10 means.

15. A camera system having a camera on which an
optical device is mounted, comprising:

an optical member;
15 driving means for driving said optical member;
storage means for storing preset information about
driving of said optical member;

an information write device for writing the preset
information in said storage means from outside of said
20 optical device; and

control means for performing driving control of
said driving means, said control means performing
preset driving control of said driving means on the
basis of the preset information stored in said storage
25 means.